WEEKLY STATUS REPORT

Prepared By: Patrick Rubenbauer

BCP Project No.:	C224099	EPA Consent Order No.:	CERCLA-02-2017-2021	Date:	5/15/2020
Project Name:	BRT Powerhouse 153 2nd Street AKA 322 3rd Avenue, Brooklyn, NY 11215				

General Comments (Week of May 11, 2020):

- All work completed during this reporting period was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP), dated December 2017 and the United States Environmental Protection Agency (USEPA)-approved Amendment to the Remedial Action Work Plan for PCB Cleanup, dated March 23, 2020.
- The site received an essential construction determination from the New York City Department of Buildings (NYCDOB) on April 17, 2020. The authorized essential work consists of remedial construction and bulkhead construction as described in the Essential Construction Request prepared by Roux Environmental Engineering and Geology, D.P.C., dated April 17, 2020.

Remediation Activities (Week of May 11, 2020):

- Brookside Environmental, Inc. (site remediation contractor) continued the remediation of the turbine hall sump structures. Brookside Environmental removed the metal plates that were previously used to temporarily seal the sumps from the remaining two sumps to inspect the contents and began the remediation process at six of the ten sumps. Each of the newly opened sumps contained varying volumes of oily water and/or solid materials. Oil layer thickness ranged from trace globules to ¼".
- At one location (TH-SUMP-6), Brookside Environmental excavated materials from the interior of the sump in order to reach the required 3.5 ft below the top of the turbine hall mat slab. Materials excavated from the sump included soil, sediment, and debris (brick, concrete, metal, wood, rubber, etc.). All excavated materials and associated poly-sheeting, personal protective equipment (PPE), and absorbents generated during the remediation process were placed in 55-gallon drums for future offsite disposal.
- At five locations (TH-SUMP-1, TH-SUMP-1-Auxiliary, TH-SUMP-2, TH-SUMP-3, and TH-SUMP-5-Auxiliary), Brookside Environmental backfilled the sumps with clean ¾" stone in order to reach the required depth of 3.5 ft below the top of the turbine hall mat slab to prepare for the concrete plug placement. All oily water that was displaced from the sumps during the remediation process was pumped into 275-gallon totes for future offsite disposal.
- At the ten sump locations, including the four sumps prepped during the week of May 4, 2020 (TH-SUMP-4, TH-SUMP-5, TH-SUMP-7, and TH-SUMP-8), Brookside Environmental poured the 2 ft thick concrete plugs from 3.5 ft to 1.5 ft below the top of the turbine hall mat slab. A concrete mix with a minimum compressive strength of 3,500 PSI (pounds per square inch) was used at the ten sump locations. All oily water that was displaced from the sumps during the concrete pour process was pumped into 275-gallon totes for future offsite disposal.
- Atlantic Engineering Laboratories (AEL) collected samples of the concrete plug material during the pours for compressive strength testing. After the concrete plugs had been poured, Brookside Environmental placed the metal plates over the sump openings and temporarily backfilled at the sump locations to secure them, in preparation for the final 1.5 ft thick structural cap to be completed at the sump locations next week, pending the results of the break tests to confirm the compressive strength requirement of at least 3,000 PSI has been met.

Redevelopment Activities (Week of May 11, 2020):

- Roux personnel completed weekly Stormwater Pollution Prevention Plan (SWPPP) inspection.

Planned Activities for next week:

- Continue the turbine hall sump structure remediation scope.
- Complete the second quarter 2020 groundwater sampling event. Groundwater samples will be collected from the following monitoring wells: MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, and MW-18. Groundwater samples will be analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Resource Conservation and Recovery Act (RCRA) 8 total and dissolved metals, TCL pesticides, polychlorinated biphenyls (PCBs), herbicides, and total cyanide.

Photo Log

Photo 1 – Looking north, Brookside Environmental backfills with ¾" clean stone to reach the required 3.5 ft below the top of the turbine hall mat slab at TH-SUMP-5-Auxiliary.	
Photo 2 – Looking north, Brookside Environmental pours the 2 ft thick concrete plug at TH-SUMP-1.	
Photo 3 – Facing west, view of TH-SUMP-2 after the concrete plug pour was completed.	

- Fill Stockpile
- Demolition
- Backfill
- Excavation
- Steel Work
- Installed Support of Excavation (SOE)
- Boiler House Superstructure Work
- Seepage Basin
- Turbine Hall Sump Remediation
- 2-ft Remedial Concrete Plug Installation Complete